Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/23/2017 11:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123324	-2	2.65	123125	2.61
Blue	F	SSC	125000	123340	-2	3.47	123724	3.26
Blue	E	FITC	23615	22867	-4	3.29	1011	10.70
Blue	D	PE	26739	26351	-2	2.97	945	10.20
Blue	B	PerCP-Cy5-5	48339	47338	-3	4.10	1364	17.88
Blue	A	PE-Cy7	45021	44751	-1	5.70	695	37.63
Red	C	APC	53064	51955	-3	2.99	3018	9.81
Red	A	APC-Cy7	57175	56693	-1	3.01	1168	11.86
Violet	B	V450	14728	13948	-6	5.13	670	9.64
Violet	A	V500	58621	56645	-4	4.97	2503	7.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19633	3.79	612	-2	N/A	N/A	Pass
Blue	F	SSC	60506	2.61	550	4	N/A	N/A	Pass
Blue	E	FITC	114	39.65	551	3	0.0200	155	Pass
Blue	D	PE	207	29.46	541	5	0.1539	232	Pass
Blue	B	PerCP-Cy5-5	211	47.56	641	6	0.0090	91	Pass
Blue	A	PE-Cy7	73	126.69	701	8	0.0105	12	Pass
Red	C	APC	349	29.26	602	5	0.0189	99	Pass
Red	A	APC-Cy7	127	42.17	587	7	0.0048	1379	Pass
Violet	B	V450	81	42.12	466	-4	0.0440	1768	Pass
Violet	A	V500	182	21.83	494	-3	0.0147	181	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.25	0.93
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.54	13.27 - 19.91	N/A	N/A	31.28	31.68	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15716

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments